

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/005812

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl.⁷ B01D53/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.⁷ B01D53/02, B01J47/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho 1926-1996 Toroku Jitsuyo Shinan Koho 1994-2004

Kokai Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| Y | JP 2002-306976 A (Organo Corp.), 22 October, 2002 (22.10.02), Full text & EP 1386938 A1 & US 2003-189005 A1 & WO 02/83771 A1 | 1, 2 |
| Y | JP 10-174838 A (Ebara Corp.), 30 June, 1998 (30.06.98), Claim 6; Par. No. [0014] (Family: none) | 1, 2 |
| Y | JP 2000-51634 A (Kabushiki Kaisha Seibu Giken), 22 February, 2000 (22.02.00), Claim 3 (Family: none) | 1, 2 |

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

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"&" document member of the same patent family

Date of the actual completion of the international search

14 July, 2004 (14.07.04)

Date of mailing of the international search report

03 August, 2004 (03.08.04)

Name and mailing address of the ISA/
Japanese Patent Office

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| A | JP 11-226338 A (Takuma Co., Ltd.), 24 August, 1999 (24.08.99), (Family: none) | 1, 2 |